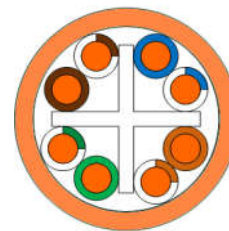


CAT6 U/UTP 250 MHZ 23 AWG LSOH

Ref. Std. ISO/IEC 11801 2nd ed., IEC 61156-5
EN 50173-1, EN 50288-5-1 ANSI /TIA 568.2-D

72V



Application

They are used in cabling in offices, management, R&D buildings with high terminal density, signal communication in information communication systems.

10 BaseT (IEEE 802.3) ETHERNET

100 BaseT (IEEE 802.3u) FAST ETHERNET

100 Vg-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

100 Mbps CDDI

1000 Base T (Gigabit Ethernet) (IEEE 802.3 ab)

IEEE 802.3af (Type 1 PoE)

IEEE 802.3at (Type 2 PoE)

Construction

Conductor	Electrolytic solid copper conductor (Awg 23)
Insulation	Solid polyethylene (0,96±0,05mm)
Stranding	Cores are twisted in pairs, and all the pairs are twisted together
Outer sheath	HFFR compound
Outer sheath color	RAL 7035 (other color on request)
Outer sheath diameter	5,40 ±0,30mm

Conductor resistance	Resistance imbalance	Capacitance	Capacity imbalance	Velocity of propagation	Signal delay	Characteristic impedance	Test voltage
max.85 Ω/km	max %1	nom. 50 pF/m	max. 1500 pF/km	67%	max.45 ns/100m	100 ± 5 Ω @100MHz	1000V

TCL	Segregation class	Bending radius	Temperature range	Insulation resistance	Operating voltage
min. level 2	b	fixed min. 4 x D flexing min. 8 x D	fixed -30°C ...+60°C flexing 0°C ...+50°C	min 5000 MΩ x m	72V
50 dB ≥					
55 dB					

Flame propagation	Smoke density	Corrosive gases	Halogen free
IEC 60332-3-24; IEC 60332-1-2; VDE 0482-332-1-2; EN 60332-1-1	IEC 61034-2 VDE 0482-1034-2 EN 61034-2	IEC 60754-2 VDE 0482-267-2-3 EN 60754-2	IEC 60754-1 VDE 0482-267-2-1 EN 60754-1

Frequency	Attenuation	Near end crosstalk (Next)	Ps-Next	Return Loss	ACR-N	ACR-F (ELFEXT)	PS-ACR-F (PS-ELFEXT)
MHz	dB/100	dB	dB	dB/100	dB/100	dB/100	dB/100
4	3,6	78	75	32	70	69	68
10	5,7	75	72	25	60	69	68
16	7,2	70	66	25	55	65	64
31,25	10,5	70	64	30	46	55	50
62,5	14,6	60	60	30	37	50	47
100	18,5	60	58	30	29	50	40
250	30	55	52	24	10	30	32
450	41	42	42	22	10	30	28